

Ward 15, DASARAHALLI

MODIFIED ESTIMATE

MODIFIED ESTIMATE FOR THE WORK :				Improvements and Re-Asphalting to Ganesha Saw Mill road and surrounding roads in Dasarahalli in Ward No.15						
Estimated Cost				4363237.00						
SI No	Particulars of item	Unit	No.s	L	B	D	Qty	Rate	Amount	
1	Removing and refixing stone slabs of drains and pointing in CM (1:3)									
	Ganesha Sawmill Road(W0057) -LHS	Sqm	1	1	259.00	0.90	233.10			
	Ganesha Sawmill Road(W0057) -RHS	Sqm	1	1	137.00	1.20	164.40			
		Sqm	1	1	119.00	0.90	107.10			
	2nd Cross (W0088),	Sqm	1	2	141.00	0.90	253.80			
	3rd Cross (W0082)	Sqm	1	2	139.00	0.90	250.20			
			Total Qty				1008.60			
	Missing Slabs	Sqm	1	75	0.90	0.60	40.50			
			Net. Qty				968.10			
	Rate as Per Schedule B		Qty Exceeds Upto 125%				968.10	126.88	122833.00	
2	Earthwork excavation by manual means in Ordinary Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work(PWD SR 2018-19, Page No.142, Item No. 19.1)									
	Ganesha Sawmill Road(W0057) -LHS	Cum	1	1	259.00	0.60	0.35	54.39		
	Ganesha Sawmill Road(W0057) -RHS	Cum	1	1	137.00	0.75	0.35	35.96		
		Cum	1	1	119.00	0.60	0.30	21.42		
	2nd Cross (W0088),	Cum	1	2	141.00	0.60	0.35	59.22		
	3rd Cross (W0082)	Cum	1	2	139.00	0.50	0.35	48.65		
	For Cut Portions									
	2nd Cross (W0088)	Cum	1	1	141.60	1.50	0.35	74.34		
	3rd Cross (W0082)	Cum	1	1	138.50	1.50	0.35	72.71		
		Cum	1	1	37.00	1.20	0.35	15.54		
	Ganesha Sawmill Road(W0057)	Cum	1	1	394.60	1.70	0.35	234.78		
		Cum	1	1	111.20	1.50	0.35	58.38		
			Total Qty				675.39			
	Rate as Per Schedule B		Qty Exceeds Upto 125%				675.39	152.26	102835.00	
3	Providing and fixing RCC Precast slabs of 0.10 thick of CC M20 with 20mm and down size graded granite metal machine mixed, including cost of labour, HOM of Machinery, curing complete									
	Missing slabs Qty Vide Item No.1	Sqm	i.e				40.50			
			Total Qty				40.50			
	Rate as Per Schedule B		Qty Exceeds Upto 125%				40.50	1841.10	74565.00	
4	KSRRB M400-6.2. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, spreading in uniform layers with motor grader on prepared surface, mixingby mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the desired density, complete as per specifications. B. By Mix in Place Method. - Close graded granular sub-base material as per 400-1 For Grading I Material (It.No.20.6)									
	2nd Cross (W0088)	Cum	1	1	141.60	1.50	0.15	31.86		

3rd Cross (W0082)		Cum	1	1	138.50	1.50	0.15	31.16			
		Cum	1	1	37.00	1.20	0.15	6.66			
Ganesha Sawmill Road(W0057)		Cum	1	1	394.60	1.70	0.15	100.62			
		Cum	1	1	111.20	1.50	0.15	25.02			
		Total Qty							195.32		
Rate as Per Schedule B		Qty Exceeds Upto 125%							140.62	2114.70	297369.00
		Qty Exceeds above 125%							54.70	2862.63	156586.00
Rate Analysis For Qty Exceeds above 125%											
Basic Rate PWD CSR 2021-22 (SI No 4.2 401 B(ii), Page No.19 Vol-III)		2283.00									
Additional Area Specific Loading Charges as per Vol-I Common SR 2021-22 i.e, 10%		228.30									
Total Rate		2511.30									
Tender Premium +/- i.e +13.99%		351.33									
Total Rate		2862.63									
5	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.155 I.No.20.18)										
2nd Cross (W0088)		Cum	1	1	141.60	1.50	0.23	48.85			
3rd Cross (W0082)		Cum	1	1	138.50	1.50	0.23	47.78			
		Cum	1	1	37.00	1.20	0.20	8.88			
Ganesha Sawmill Road(W0057)		Cum	1	1	394.60	1.70	0.23	154.28			
		Cum	1	1	111.20	1.50	0.23	38.36			
		Total Qty							298.15		
Rate as Per Schedule B		Qty Exceeds Upto 125%							140.62	2281.46	320819.00
		Qty Exceeds above 125%							157.53	3001.81	472875.00
Rate Analysis For Qty Exceeds above 125%											
Basic Rate PWD CSR 2021-22 (SI No 4.27 406 A, Page No.24 Vol-III)		2394.00									
Additional Area Specific Loading Charges as per Vol-I Common SR 2021-22 i.e, 10%		239.40									
Total Rate		2633.40									
Tender Premium +/- i.e +13.99%		368.41									
Total Rate		3001.81									
6	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (P.No.158 I.No.21.6)										
2nd Cross (W0088)		Sqm	1	1	141.60	1.50		212.40			
3rd Cross (W0082)		Sqm	1	1	138.50	1.50		207.75			
		Sqm	1	1	37.00	1.20		44.40			
Ganesha Sawmill Road(W0057)		Sqm	1	1	394.60	1.70		670.82			
		Sqm	1	1	111.20	1.50		166.80			
		Total Qty							1302.17		
Rate as Per Schedule B		Qty Exceeds Upto 125%							1302.17	30.21	39339.00

7	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.161 I.No.21.17.6)									
	2nd Cross (W0088)	Cum	1	1	141.60	1.50	0.05	10.62		
	3rd Cross (W0082)	Cum	1	1	138.50	1.50	0.05	10.38		
		Cum	1	1	37.00	1.20	0.05	2.22		
	Ganesha Sawmill Road(W0057)	Cum	1	1	394.60	1.70	0.05	33.54		
		Cum	1	1	111.20	1.50	0.05	8.34		
		Total Qty						65.10		
	Rate as Per Schedule B	Qty Exceeds Upto 125%						65.10	6528.99	425037.00
8	Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.(Pg No.158 It. No.21.7)									
	2nd Cross (W0088)	Sqm	1	1	141.60	6.60		934.56		
	3rd Cross (W0082)	Sqm	1	1	138.50	4.30		595.55		
		Sqm	1	1	37.00	3.90		144.30		
	Ganesha Sawmill Road(W0057)	Sqm	1	1	394.60	6.20		2446.52		
		Sqm	1	1	111.20	5.10		567.12		
		Total Qty						4688.05		
	Rate as Per Schedule B	Qty Exceeds Upto 125%						3750.00	12.08	45300.00
		Qty Exceeds above 125%						938.05	15.04	14108.00
	Rate Analysis For Qty Exceeds above 125%									
	Basic Rate PWD CSR 2021-22 (SI No 5.3, Page No.29, Vol III)	12.00								
	Additional Area Specific Loading Charges as per Vol-I Common SR 2021-22 i.e, 10%	1.20								
	Total Rate	13.20								
	Tender Premium +/- i.e +13.99%	1.84								
	Total Rate	15.04								
9	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. - do - using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)									
	2nd Cross (W0088)	Cum	1	1	141.60	6.60	0.04	37.38		
	3rd Cross (W0082)	Cum	1	1	138.50	4.30	0.04	23.82		
		Cum	1	1	37.00	3.90	0.04	5.77		
	Ganesha Sawmill Road(W0057)	Cum	1	1	394.60	6.20	0.04	97.86		
		Cum	1	1	111.20	5.10	0.04	22.68		
		Total Qty						187.51		
	Rate as Per Schedule B	Qty Exceeds Upto 125%						150.00	7708.38	1156257.00
		Qty Exceeds above 125%						37.51	12970.23	486513.00
	Rate Analysis For Qty Exceeds above 125%									

	Basic Rate PWD CSR 2021-22 (SI No 5.29 A, Page No.40, Vol III)		10344.00						
	Additional Area Specific Loading Charges as per Vol-1 Common SR 2021-22 i.e, 10%		1034.40						
	Total Rate		11378.40						
	Tender Premium +/- i.e +13.99%		1591.83						
	Total Rate		12970.23						
10	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (P.No.185 I.No.24.15)								
	2nd Cross (W0088)	Sqm	1	2	141.60	0.10		28.32	
	3rd Cross (W0082)	Sqm	1	2	138.50	0.10		27.70	
		Sqm	1	2	37.00	0.10		7.40	
	Ganesha Sawmill Road(W0057)	Sqm	1	2	394.60	0.10		78.92	
		Sqm	1	2	111.20	0.10		22.24	
			Total Qty					164.58	
	Rate as Per Schedule B		Qty Exceeds Upto 125%					156.25	518.40
			Qty Exceeds above 125%					8.33	599.35
	Rate Analysis For Qty Exceeds above 125%								
	Basic Rate PWD CSR 2021-22 (SI No 8.15 803, Vol III)		478.00						
	Additional Area Specific Loading Charges as per Vol-1 Common SR 2021-22 i.e, 10%		47.80						
	Total Rate		525.80						
	Tender Premium +/- i.e +13.99%		73.55						
	Total Rate		599.35						
11	KSRRB M-100-1 Loading and Unloading of Stone Boulder / Stone aggregate / Sand Kanker / Moorum.KSRRB M100-1 : Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.MORTH -100 / Chapter 1, (PW,P& I WTD SR 2018-19, Pg No 136, Item No.17.1)								
	Qty Vide Item No.2	Cum						675.39	
			Total Qty					675.39	
	Rate as Per Schedule B		Qty Exceeds Upto 125%					675.39	141.13
Total Constrction Cost. Rs								3895747.00	
Adding GST 12% Rs								467490.00	
Total Rs								4363237.00	

CERTIFICATE:-

- 1) The above estimate has been prepared as per PWD Bangalore circle CSR 2018-19 & Issued Rates on 01.02.2021
- 2) The work spot has been inspected by me & prepared the estimate in most economical way of executing the work.
- 3) The Area comes under BBMP.
- 4) The work is not split up.
- 5) The above work is not included in any of the other programme

Assistant Engineer
Ward No 15

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Assr Executive Engineer
ಬಿ. ದಾಸರಾಹಳ್ಳಿ Sub Division
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

EXECUTIVE ENGINEER
Dasarahalli Division, BBMP
Bruhat Bengaluru Mahanagara Palike
Dasarahalli Division, Bengaluru-73.

Technically Sanctioned for Rs. 39.95 lakhs	
Rs. In words Thirty eight lakhs Ninty five thousand seven fourty seven.	
Under P-2736	
Job Code No 015-20-000107	
Registered as CE No 02/22-23/ Subject	
to conditions contained in Enclosed Memo	
No. CE/PZ/TS/02/22-22	DI 27/04/2022
AE/JE	TA CE(D)